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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named

Inventor : Bruce F. Field

Appln. No. : 10/629,391

Filed : July 29, 2003

For : ELECTRIC HYBRID VEHICLE

Group Art Unit: 3618

Examiner: SHRIVER II,
JAMES A

Docket No.: A53.12-0006

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Enclosed are references we have now obtained regarding Toyota's Prior Art Statement dated April 28, 2004 that was previously submitted in our Second Supplemental Information Disclosure Statement. We are still in the process of obtaining all the total references cited in Toyota's Prior Art Statement.

TIME OF FILING

The information disclosure statement is being filed:

1. with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

METHOD OF PAYMENT

No fee is required.

Attached is a check in the amount of \$ _____.

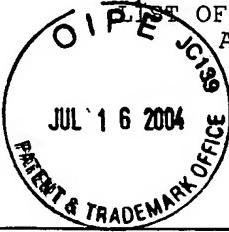
The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,
WESTMAN, CHAMPLIN & KELLY, P.A.

By: David D. Brush

David D. Brush, Reg. No. 34,557
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222
Fax: (612) 334-3312

DDB:tkj

| FORM PTO-1449 | | | | Atty. Docket No.: A53.12-0006 | | Appl. No.: 10/629,391 | |
|--|---|-----------|------------------|----------------------------------|------------|----------------------------|--|
|  <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p> | | | | First Named Inventor: | | | |
| | | | | Bruce F. Field | | | |
| | | | | Filing Date | Group Art: | | |
| July 29, 2003 | | | | 3618 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initial | Document No. | Date | Name | Class | Sub Class | Filing Date If Appropriate | |
| | AA 3,566,717 | 3/2/71 | B. Berman et al. | 74 | 859 | | |
| | AB 534,116 | 2/12/1895 | J. S. Lyons | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | Document No. | Date | Country | Class | Sub Class | Translation Yes No | |
| AD | JP 58-160661 | 9/24/1983 | Japan | | | X | |
| AE | JP 62-110535 | 5/21/1987 | Japan | | | X | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| AF | Gumbleton, et al., "Special Purpose Urban Cars", originally presented as Paper 690461 at the Mid-Year Meeting of the SAE in May, 1969, pp.193-221 | | | | | | |
| AG | G.H. Gelb and C. Wang, "Hybrid Vehicle Study Program Six-month Progress Report", TRW Systems, Jan. 1, 1968- June 30, 1968. pp. 1-103. | | | | | | |
| AH | Neal A. Richardson, G. H. Gelb, T.C. Wang and Joseph A. Licari, "System Design Implications of Electric and Hybrid Vehicles", Intersociety Energy Conversion and Engineering Conference, Aug. 1968, pp. 789-796. | | | | | | |
| AI | G.H. Gelb, Neal A. Richardson, T.C. Wang and Robert S. DeWolf, "Design and Performance Characteristics of a Hybrid Vehicle Power Train", Society of Automotive Engineers, Jan. 13-17, 1969, pp. T0096249-T0096259. | | | | | | |
| AJ | G.H. Gelb, N.A. Richardson, T.C. Wang and B. Berman, "An Electromechanical Transmission for Hybrid Vehicle Power Trains-Design and Dynamometer Testing", Society of Automotive Engineers, Jan. 11-15, 1971, pp. T009590-T0095994. | | | | | | |
| AK | Prepared for the Office of Air Programs Environment'l Protection Agency under Contract No. EHSH 71-002 by TRW Systems Group One Space Park, Redondo Beach, CA 90278, "Analysis and Advanced Design Study of an Electromechanical Transmission", TRW Systems Group, April 1971, Booklet. | | | | | | |
| AL | G.H. Gelb, B. Berman and E. Koutsoukos, "Cost and Emission Studies of a Heat Engine/Battery Hybrid Family Car", TRW System Group, April 1972, pp. 1-254. | | | | | | |
| AM | G.H. Gelb, B. Berman, R.S. Lipkis and T.C. Wang, "Performance Analyses of Heat Engine-Battery Hybrid Vehicles", 7 th Intersociety Energy Conversion Engineering Conference, Sept. 25-29, 1972, pp. 977-988. | | | | | | |
| AN | B. Berman, "Design Considerations Pertaining to a Battery Powered Regenerative System", IEEE Conference Record of IGA 1971 Sixth Annual Meeting of the IEEE Industry and General Applications Grp, Oct. 18-21, 1971, pp. 341-346. | | | | | | |
| EXAMINER: | | | | DATE CONSIDERED: | | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | | Filing Date | Group Art: |
| | | July 29, 2003 | 3618 |

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|------------------|--------------|------------|----------------|-------|-----------|----------------------------|
| AA | 1,515,322 | 11/11/1924 | C.E.F Ahlm | | | |
| AB | 1,780,150 | 11/4/1930 | C.E.F. Ahlm | | | |
| AC | 913,846 | 3/2/1909 | H. Pieper | | | |
| AD | 4,723,105 | 2/2/88 | Matouka et al. | 320 | 17 | |

FOREIGN PATENT DOCUMENTS

| | Document No. | Date | Country | Class | Sub Class | Translation Yes No |
|----|--------------|----------|---------|-------|-----------|--------------------|
| AE | 2 419 832 | 10/12/79 | France | | | X |
| AF | 3-124201 | 5/27/91 | Japan | | | X |

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| AG | B. Berman, "All Solid State Method for Implementing A Traction Drive Control", IEEE Conference Record of IGA 1971 Sixth Annual Meeting of the IEEE Industry and General Applications Group Oct. 18-21, 1971, pp. 401-410 |
| AH | General Motors Engineering Staff and G.H. Gelb, "TRW's Hybrid Vehicle Concept The Electromechanical Transmission- An Evaluation Report", General Motors Technical Center, Nov. 23, 1973, pp. 1-73. |
| AI | Video of TRW vehicle in operation. |
| AJ | L.E. Unnewehr et al., "Electric Vehicle Technology", John Wiley & Sons, 1982, pp.1-256. |
| AK | Robert J. Traister, "All About electric & Hybrid Cars", Tab Books Inc., 1982, pp.1-301. |
| AL | General Electric Company, "Near-Term Hybrid Vehicle Program", General Electric, Oct. 8, 1979, pp.1-1 to 9-7. |
| AM | S. Honda, C. Hoshino, S. Kawakatsu & M. Iida, "Daihatsu Engine-Electric Hybrid 1.5 Ton Truck", The Fifth International Electric Vehicle Symposium, Oct. 1978, pp. 1-12. |
| AN | L. Chang, "Recent Developments of Electric Vehicles and Their Propulsion Systems", IEEE Aerospace and Electronics Systems Magazine, Dec. 1993, pp. 3-6. |
| AO | P. C. Sen, "Electric Motor Drives and Control-Past, Present and Future", IEEE Transactions on Industrial Electronics, Dec. 1990, Vol. 37, No. 6 pp. 562-75. |
| AP | P. Pillay and P. Freere, "Literature Survey of Permanent Magnet AC Motors and Drives", IEEE IAS Rec., 1989, pp. 74-84. |

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| AA | | | | | | |
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| | AI | V.R. Stefanovic and S. Vukosavic, "SRM Inverter Topologies: A Comparative Evaluation", IEEE Transactions on Industry Applications, Nov./Dec. 1991, Vol. 27, pp. 1034-1047. |
| | AJ | H. Holtz, "Pulsewidth Modulation-A Survey", IEEE Transactions on Industrial Electronics, 1992, Vol. 39, Issue 5, pp. 410-420. |
| | AK | J. Baum et al., "Semiconductor Technologies for Electric Vehicles", International Congress on Transportation Electronics, Nov. 18, 1992, pp.203-210. |
| | AL | P. Chen, "Automotive Electronics in the Year 2000-A Ford Motor Company Perspective", Chassis & Powertrain Electronics Engineering Ford Motor Company of Australia, May 15, 1992, pp. 1-8. |
| | AM | G. Brusaglino, "Electric Vehicle Development in Fiat", The Engineering Society For Advancing Mobility Land, Sea, Air and Space, Feb. 25-March 1, 1991, pp. 27-52. |
| | AN | W.M. Anderson and C.S. Cambier, "Integrated Electric Vehicle Drive", The Engineering Society For Advancing Mobility Land, Sea, Air and Space, Feb. 25-March 1, 1991, pp. 63-68. |
| | AO | A. Kalberiah, "Electric Hybrid Drive Systems for Passenger Cars and Taxis", The Engineering Society For Advancing Mobility Land, Sea, Air and Space, Feb. 25-March 1, 1991, pp. 69-78. |
| | AP | A. F. Burke, "Battery Availability for Near Term Electric Vehicles", The Engineering Society For Advancing Mobility Land, Sea, Air and Space, Sept. 16-19, 1991 pp. 17-30. |

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